



Postdoctoral Researcher Position
Centro de Biotecnología y Genómica de Plantas (CBGP / UPM-INIA)

Center	CBGP-UPM (SPAIN)
School/Unit	Biotechnología-Biología Vegetal
Post Title & Subject Area (if relevant)	CBGP Postdoctoral Researcher
Project	PLEC2021-007930
Post Duration	12 months (possibility of extension up to 36 months)
Application Deadline:	20/10/2021
Start new Job:	01/12/2021 (negotiable)
Send a <u>single PDF file</u> including CV, cover letter and at least 3 possible contacts for reference letters to:	j.isidro@upm.es

We are seeking for a highly motivated and collaborative postdoctoral researcher to work on the research project PLEC2021-007930 with the aim of identifying new sources of broad-spectrum resistance to *Septoria tritici* blotch in durum wheat. The work will be performed at UPM at the Department of Biochemistry and Plant Biology and at the Center of Biotechnology and Genomics of Plants (CBGP/UPM-INIA). **The postdoc will work in the characterization of *Septoria* infections and will analyse data collected to perform genome predictions and genome-wide association analysis.**

We are looking for an enthusiastic researcher, with a clear interest in plant biology, quantitative genetics, plant breeding, application of new genomic technology, ***with excellent programming skills with a minimum of 2 years' experience after doctoral fellowship or a recent PhD with great publications in the plant genomics area.*** Experience with handling large phenotypic and genomic data and an interest in quantitative genetic concepts is a prerequisite. The successful candidate is expected to contribute to ongoing genomics-related projects in our young interdisciplinary research groups.

The position role also aims to develop new or advanced research skills and competences, on the processes of publication in peer-reviewed academic publications and scholarly dissemination, the development of funding proposals, and the supervision and mentorship of graduate students along with the opportunity to develop your skills in research led teaching.



Selection Criteria

Selection criteria outline the qualifications, skills, knowledge and/or experience that the successful candidate would need to demonstrate for successful discharge of the responsibilities of the post. Applications will be assessed based on how well candidates satisfy these criteria.

Mandatory

- The applicant should hold a doctoral degree in one of the following subjects Plant Biology, statistics, plant breeding, statistical genetics or a related field. We seek candidates with a solid foundation on population genomics and with a strong background in plant science, microbiology and/or plant-pathogen interactions.
- Excellent programming in R, python or other languages.
- Ability to identify and fulfil the academic writing requirements for target publications.
- Proven record of working with team members and PhD students to help build their research skill and knowledge and to support and guide their professional development.
- Evidence of research activity (publications, conference presentations, awards) and future scholarly output (working papers, research proposals, and ability to outline a research project).
- The candidate should have a strong track record as a PhD student and show a keen and independent intellect.
- Be able to handle large data sets.
- A demonstrated commitment to research and publications
- An understanding of the operational requirements for a successful research project
- Excellent Communication Skills (Oral, Written, Presentation etc).
- Excellent Organizational and Administrative skills including a proven ability to work to deadlines.
- Candidates must demonstrate an awareness of equality, diversity and inclusion agenda.

Desirable

- Experience on fungal microbiology.
- Experience on genomic prediction or selection approaches.
- Knowledge and application of the principles underpinning successful grant application.

Type of contract

Temporary contract of 12 months that can be extended 2 additional years. Salary will be fixed according to the Polytechnique University of Madrid (UPM) regulations (category of Junior Doctor Researcher).

